



Robert Greene Sterne  
Jorge A. Goldstein  
David K.S. Cornwell  
Robert W. Esmond  
Tracy-Gene G. Durkin  
Michele A. Cimbala  
Michael B. Ray  
Robert E. Sokohl  
Eric K. Steffe  
Michael Q. Lee  
Steven R. Ludwig  
John M. Covert  
Linda E. Horner  
Robert C. Millonig  
Donald J. Featherstone  
Timothy J. Shea, Jr  
Michael V. Messinger  
Judith U. Kim

Patrick E. Garrett  
Jeffrey T. Helvey  
Heidi L. Kraus  
Eldora L. Ellison  
Thomas C. Fiala  
Donald R. Banowitz  
Peter A. Jackman  
Jeffrey S. Weaver  
Brian J. Del Buono  
Edward W. Yee  
Vincent L. Capuano  
Virgil Lee Beaton  
Theodore A. Wood  
Elizabeth J. Haanes  
Joseph S. Ostroff  
Frank R. Cottingham  
Rae Lynn P. Guest  
Daniel A. Klein

Jason D. Eisenberg  
Michael D. Specht  
Tracy L. Muller  
Jon E. Wright  
LuAnne M. DeSantis  
Ann E. Summerfield  
Helene C. Carlson  
Cynthia M. Bouchez  
Timothy A. Doyle  
Gaby L. Longworth  
Lori A. Gordon  
Laura A. Vogel  
Bryan S. Wade  
Bashir M.S. Ali  
Shannon A. Carroll  
Matthew E. Kelley  
Michelle K. Holoubek  
Marsha A. Rose

Christopher J. Walsh  
W. Blake Coblenz\*  
James J. Pohl\*  
Young Tang  
John T. Haran\*  
Mark W. Rygiel

**Registered Patent Agents\***  
Karen R. Markowicz  
Matthew J. Dowd  
Katrina Yujian Pei Quach  
Bryan L. Skelton  
Robert A. Schwartzman  
Victoria S. Rutherford  
Simon J. Elliott  
Julie A. Heider  
Mita Mukherjee  
Scott M. Woodhouse

Liliana Di Nola-Baron  
Peter A. Socarras  
Jeffrey K. Mills  
Danielle L. Letting  
Lori Brandes

**Of Counsel**  
Edward J. Kessler  
Kenneth C. Bass III  
Marvin C. Guthrie

\*Admitted only in Maryland  
\*Admitted only in Virginia  
\*Practice Limited to  
Federal Agencies

January 17, 2007

**WRITER'S DIRECT NUMBER:**  
(202) 772-8834

**INTERNET ADDRESS:**  
BHAANES@SKGF.COM

**Art Unit 1645**

Commissioner for Patents  
PO Box 1450  
Alexandria, VA 22313-1450

**Attn: Mail Stop Amendment**

Re: U.S. Utility Patent Application  
Application No. 09/677,752; Filed: October 2, 2000 (*as amended*)  
For: **Chlamydia Protein, Gene Sequence and Uses Thereof**  
Inventor: W. James JACKSON  
Our Ref: 2479.0050000/EJH/C-K

Sir:

Transmitted herewith for appropriate action are the following documents:

1. PTO-2038 Credit Card Form for \$180.00 for IDS fee;
2. Sixth Supplemental Information Disclosure Statement Under 37 C.F.R. § 1.97(c);
3. PTO/SB/08A (1 page) citing four (4) documents (US1 and FP1-FP3);
4. Copy of three (3) cited documents (FP1-FP3);
5. PTO/SB/08B (1 page) citing five (5) documents (NPL1-NPL5);
6. Copy of five (5) cited documents; and
7. One (1) return postcard.

It is respectfully requested that the attached postcard be stamped with the date of filing of these documents, and that it be returned to our courier.


Commissioner for Patents  
January 17, 2007  
Page 2

In the event that extensions of time are necessary to prevent abandonment of this patent application, then such extensions of time are hereby petitioned.

The U.S. Patent and Trademark Office is hereby authorized to charge any fee deficiency, or credit any overpayment, to our Deposit Account No. 19-0036.

Respectfully submitted,

STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.



Elizabeth J. Haanes, Ph.D.  
Attorney for Applicant  
Registration No. 42,613

EJH/C-K:cpn  
Enclosures

630858\_1.DOC



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

W. James JACKSON,

Appl. No.: 09/677,752

Filed: October 2, 2000 (*as amended*)

For: **Chlamydia Protein, Gene  
Sequence and Uses Thereof**

Confirmation No.: 5261

Art Unit: 1645

Examiner: Ford, Vanessa L.

Atty. Docket: 2479.00500000/EJH/C-K

**Sixth Supplemental Information Disclosure Statement  
Under 37 C.F.R. § 1.97(c)**

*Mail Stop Amendment*

Commissioner for Patents  
PO Box 1450  
Alexandria, VA 22313-1450

Sir:

Listed on accompanying IDS Forms, PTO/SB/08A and PTO/SB/08B, are documents that may be considered material to the examination of this application, in compliance with the duty of disclosure requirements of 37 C.F.R. §§ 1.56, 1.97 and 1.98.

Copies of documents **FP1** to **FP3** and **NPL1** to **NPL5** are submitted. However, in accordance with 37 C.F.R. § 1.98(a)(2), a copy of **US1**, U.S. patent publication cited on the attached Form PTO/SB/08A, is not submitted.

The Examiner's attention is directed to the following co-pending U.S. Patent Application, which is directed to related technical subject matter:

Application No. 10/398,248, inventor Jackson, W.J., filed August 1, 2003, published on February 26, 2004 as U.S. Publication No. 2004/0037846 A1, listed as Document **US1**.

01/18/2007 SZEWDIE1 00000005 09677752

01 FC:1806

180.00 0P

The identification of this U.S. Patent Application is not to be construed as a waiver of secrecy as to the application now or upon issuance of the present application as a patent. The Examiner is respectfully requested to consider the cited application and the art cited therein during examination.

Where the publication date of a listed document does not provide a month of publication, the year of publication of the listed document is sufficiently earlier than the effective U.S. filing date and any foreign priority date so that the month of publication is not in issue. Applicant has listed publication dates on the attached IDS Forms based on information presently available to the undersigned. However, the listed publication dates should not be construed as an admission that the information was actually published on the date indicated.

Applicant reserves the right to establish the patentability of the claimed invention over any of the information provided herewith, and/or to prove that this information may not be prior art, and/or to prove that this information may not be enabling for the teachings purportedly offered.

This statement should not be construed as a representation that a search has been made, or that information more material to the examination of the present patent application does not exist. The Examiner is specifically requested not to rely solely on the material submitted herewith.

This Information Disclosure Statement is being filed more than three months after the U.S. filing date AND after the mailing date of the first Office Action on the merits, but before the mailing date of a Final Rejection, or Notice of Allowance, or an

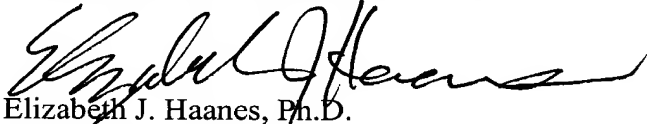
action that otherwise closes prosecution in the application. Attached is our PTO-2038 Credit Card Payment Form in the amount of \$180.00 in payment of the fee under 37 C.F.R. § 1.17(p).

It is respectfully requested that the Examiner initial and return a copy of the enclosed IDS Forms, and indicate in the official file wrapper of this patent application that the documents have been considered.

The U.S. Patent and Trademark Office is hereby authorized to charge any fee deficiency, or credit any overpayment, to our Deposit Account No. 19-0036.

Respectfully submitted,

STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.



Elizabeth J. Haanes, Ph.D.  
Attorney for Applicant  
Registration No. 42,613

Date:

Jan 17, 2007

1100 New York Avenue, N.W.  
Washington, D.C. 20005-3934  
(202) 371-2600

630712\_1.DOC

Substitute for form 1449/PTO

## SIXTH SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT

*(Use as many sheets as necessary)*

|       |   |    |   |
|-------|---|----|---|
| Sheet | 1 | of | 1 |
|-------|---|----|---|

***Complete if Known***

|                               |                               |
|-------------------------------|-------------------------------|
| <b>Application Number</b>     | 09/677,752                    |
| <b>Filing Date</b>            | October 02, 2000 (as amended) |
| <b>First Named Inventor</b>   | W. James JACKSON              |
| <b>Art Unit</b>               | 1645                          |
| <b>Examiner Name</b>          | Ford, Vanessa L.              |
| <b>Attorney Docket Number</b> | 2479.0050000/EJH/C-K          |

## U.S. PATENT DOCUMENTS

[illegible]

## FOREIGN PATENT DOCUMENTS

[illegible]

630710 1.DOC

|                       |  |                    |  |
|-----------------------|--|--------------------|--|
| Examiner<br>Signature |  | Date<br>Considered |  |
|-----------------------|--|--------------------|--|

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

*If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.*



Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

|  |                  |    |   |                          |                              |
|--|------------------|----|---|--------------------------|------------------------------|
| <b>SIXTH SUPPLEMENTAL<br/>INFORMATION DISCLOSURE<br/>STATEMENT BY APPLICANT</b><br>(Use as many sheets as necessary) |                  |    |   | <b>Complete if Known</b> |                              |
|  |                  |    |   | Application Number       | 09/677,752                   |
|  |                  |    |   | Filing Date              | October 2, 2000 (as amended) |
|  |                  |    |   | First Named Inventor     | W. James JACKSON             |
|  |                  |    |   | Art Unit                 | 1645                         |
| Examiner Name  | Ford, Vanessa L. |    |   |                          |                              |
| Sheet  | 1                | of | 1 | Attorney Docket Number   | 2479.0050000/EJH/C-K         |

| NON PATENT LITERATURE DOCUMENTS |                       |   |                |
|---------------------------------|-----------------------|---|----------------|
| Examiner Initials*              | Cite No. <sup>1</sup> | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published                  | T <sup>2</sup> |
|                                 | NPL1                  | KIM, S.-K., <i>et al.</i> , "Induction of HLA Class I-Restricted CD8+ CTLs Specific for the Major Outer Membrane Protein of <i>Chlamydia trachomatis</i> in Human Genital Tract Infections," <i>J. Immunol.</i> 162:6855-6866, The American Association of Immunologists (1999) |                |
|                                 | NPL2                  | ORTIZ, L., <i>et al.</i> , "T-Cell Epitopes in Variable Segments of <i>Chlamydia trachomatis</i> Major Outer Membrane Protein Elicit Serovar-Specific Immune Responses in Infected Humans," <i>Infect. Immun.</i> 68:1719-1723, American Society for Microbiology (March 2000)  |                |
|                                 | NPL3                  | SU, H., <i>et al.</i> , "Identification and Characterization of T Helper Cell Epitopes of the Major Outer Membrane Protein of <i>Chlamydia trachomatis</i> ," <i>J. Exp. Med.</i> 172:203-212, Rockefeller University Press (1990)  |                |
|                                 | NPL4                  | SU, H., <i>et al.</i> , "Immunogenicity of a Chimeric Peptide Corresponding to T Helper and B Cell Epitopes of the <i>Chlamydia trachomatis</i> Major Outer Membrane Protein," <i>J. Exp. Med.</i> 175:227-235, Rockefeller University Press (1992)                             |                |
|                                 | NPL5                  | NCBI Entrez, GenBank Report, Accession No. B71460, Stephens, R.S., <i>et al.</i> (1998)   |                |
|                                 |                       |   |                |
|                                 |                       |   |                |
|                                 |                       |   |                |
|                                 |                       |   |                |
|                                 |                       |   |                |
|                                 |                       |   |                |
|                                 |                       |   |                |

630711\_1.DOC

|                    |  |                 |  |
|--------------------|--|-----------------|--|
| Examiner Signature |  | Date Considered |  |
|--------------------|--|-----------------|--|

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.